

★ ★ NCIC 2000 ★ ★

Linking It All Together

About This Newsletter

This newsletter is published monthly to inform NCIC users of the status of NCIC 2000. It is our hope that this will keep all interested parties abreast of changes and developments so that you, the user, can begin, and continue to make, any necessary purchases and modifications to your systems. If your agency would like more information on any of these topics, please contact Mr. Roy Weise at 1-304-625-2730.

Please Note

Because criminal justice agencies throughout the Nation will be affected by the NCIC 2000 development, much information about the system is available from many sources, especially the Internet and World Wide Web. However, some of this information may be erroneous or outdated. Users should take great care to confirm any information they receive about NCIC 2000 with their State Control Terminal Agency (CTA). Local users

should check with their CTAs prior to acquiring any equipment, software, or services designed to access NCIC 2000.

Recommended Workstation and MIU Specifications:

Note: These specifications are updated from the version that appeared in the December 1996 NCIC 2000 Newsletter. These specifications are intended as guidelines to assist you if you need to acquire workstations or MIUs for NCIC 2000. Users should not make purchases based solely on this brief summary. For further details and questions, please contact Mr. Roy Weise on 304-625-2730.

- Pentium processor (Note: NCIC 2000 applications will work on a 486 processor)
- 16 MB memory (8 MB needed for NCIC 2000 applications)
- Storage capacity in the gigabyte range, (Note: 120 MB is needed to run NCIC 2000 applications)
- RS232 serial port based on the 16550 Universal Receiver/Transmitter (UART) chip for communication with the MIU
- Monitor capable of displaying 1024 x 768 pixels and 64 gray shades with a Windows driver and video card (17" or higher monitor recommended for image processing)
- Two button mouse (Microsoft compatible)

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- Extended, 101-key keyboard
- 3.5" Floppy Disk Drive (CD ROM drive also recommended)
- Adaptec SCSI Board OR COMPARABLE
- One ISA slot for a communications board -- EICON X.25 configured under TCP/IP (or a communications board compatible with State or local requirements)

NCIC 2000 Workstation Peripheral Equipment:

- 600 DPI Laser Printer with 4 MB Memory. Note: Printer resolution is important as the system is designed to print high quality images (64 shades of gray scale) as well as text, such as messages and reports.
- Digital Biometrics, Inc. FC-7 Model T Desktop Fingerprint Scanner OR COMPARABLE scanner for live scanning of fingerprints at the desktop (Note: Comparable scanners may require additional commercial-off-the-shelf software).
- Tamarack Color Scanner Series 12000C OR COMPARABLE for scanning documents, file fingerprints, and other identifying images (e.g., mug shots)
- Dataradio modem OR COMPARABLE for transmission of data sent to the MIU (Note: Users may select their own mobile communications, but the capability chosen should support error correction transmission). -- (NOTE: Needed only if MIU communications are desired.

NCIC 2000 Workstation Commercial Software:

The following software is not provided by the FBI. States must supply this software.

- DOS 6.22
- Windows 3.1 (looking at ways to move to 32 bit applications and Windows 95)
- FTP, Inc. PC/TCP 3.0 OR COMPARABLE
- Adaptec SCSI Driver 2.0 OR COMPARABLE (Note: Some SCSI drivers may not work correctly).
- Tamarack Scanner Driver 3.7 OR COMPARABLE (Note: Scanners must be TWAIN-compliant and capable of supporting high quality images such as facial details on mug shots. The scanner must be able to physically read at least 500 dpi with no interpolation.
- Brother Printer Driver 1.40 OR COMPARABLE
- Display Driver (1024 x 768) OR COMPARABLE

NCIC 2000 Workstation Application Software:

This software will be provided by the FBI at no cost to States:

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- Application Software Executable Files
- Source Code
- CBT Files and Data

The workstation application software includes object code from the following COTS class libraries: zApp 2.21, Tools.h 6.0, Windows Sockets 1.1, Accusoft DLL. The workstation application was coded in Borland C++, version 4.52.

NCIC 2000 Mobile Imaging Unit (MIU) Hardware:

- Fieldworks FW8500 Computer OR COMPARABLE (Applications will run on a 486 processor) Note: Fieldworks MIU is ruggedized. A ruggedized MIU is not required.
- 16 MB memory (Applications will run with 4 MB memory)
- Large capacity hard disk; NCIC 2000 applications require 40 MB
- Centronics parallel port for the gray scale printer
- VGA display screen (640 X 480) with a Windows driver
- 84 key QWERTY keyboard with function keys
- Adaptec SCSI Card OR COMPARABLE

NCIC 2000 MIU Peripheral Equipment:

- Sony UP-D860 Digital Graphic Printer and PV-125 Inverter OR COMPARABLE to print identifying images, fingerprints, and results of NCIC 2000 inquiries.
- Digital Biometrics Model-T Fingerprint Scanner OR COMPARABLE with recharging and a SCSI interface cradle. (Note: Comparable scanners may require additional commercial-off-the-shelf software).
- Dycam Model 3 Camera with Windows Integrator Kit Version 4.23, which supports JPEG compression or COMPARABLE. The DYCAM camera is small and does not require a tether, making it easier to use than the original camera purchased under NCIC 2000 -- the Closed Circuit Products B-52 Camera.
- Dataradio Turbo Mobile Radio Modem (MRM) OR COMPARABLE. The MRM hardware provides the packetization, modulation, and error correction for data sent to and from the NCIC 2000 workstation.

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NCIC 2000 MIU Commercial Software:

The following software is not provided by the FBI. States must purchase this software.

- DOS 6.22
- Windows 3.1 (looking at ways to move to 32 bit applications and Windows 95)
- Adaptec SCSI Driver 3.03 OR COMPARABLE
- Display Driver (1024 X 768) OR COMPARABLE

NCIC 2000 MIU Application Software:

This software will be provided by the FBI at no cost to States:

- MIU Application Software Executable Files
- Source Code

Factory Operational Testing

In February 1998, the FBI began Factory Operational Testing (FOT) with State CTAs and Federal Service Coordinators (FSCs). During FOT, CTAs and FSCs will test communications with the NCIC 2000 Central Segment using the Bisync, TCP/IP, and SNA protocols. The CTA will send scripts of NCIC and NCIC 2000 transactions to the Central Segment and receive a response.

Testing with the first two CTAs, New York and Florida was successful. Both CTAs established communications with the Central Segment and completed their scripted testing ahead of schedule. Both States successfully sent and received NCIC and NCIC 2000 transactions through the Central Segment. They also successfully sent information to each other through NCIC 2000.

Testing has also taken place with the National Law Enforcement Telecommunications System (NLETS), the FBI's Identification Automated System (IDAS) Interstate Identification Index (III), and the Washington Metropolitan Police Department CTA. The FBI and Harris Corporation recently held technical meetings with the CTA's from Missouri, New Jersey, Washington, Iowa, and the Royal Canadian Mounted Police. The Texas CTA and the Department of the Treasury will also participate in FOT. FOT is scheduled to conclude in June 1998.

Wireless Applications Testing Program:

This effort is being spearheaded by the CJIS, Systems Transition Unit with support from the Public Safety Wireless Information Network (PSWIN). CJIS sent a Request for Information (RFI) to the public regarding wireless communications requirements and received responses from 17 companies. Following receipt of the response, CJIS is holding meetings with each of the vendors to further discuss the RFI. This dialogue is intended to lead to products that can support criminal justice agencies' wireless communications requirements for NCIC 2000 and integrate the image processing capability into existing wireless systems.

The first tests are scheduled to begin this May with the Alexandria, Virginia and Sun Prairie, Wisconsin Police Departments. After these tests are completed, the North Carolina Highway Patrol will participate using its wireless network. Other State and local police departments will participate. We will update you on this program in future newsletters.

Help in Getting Ready for NCIC 2000

Making the transition to NCIC 2000 may require additional funding for some State and local governments. Federal grants can help offset some of these costs. Information on some of these grants was provided at the NCIC 2000 Users' Conference in Tulsa, Oklahoma in September 1997. Though not a comprehensive list, the following grant programs are available:

- *State Identification Services (SIS) Grant Program.* SIS grants are available for State and local criminal justice agencies that require funding to upgrade their systems so that they can interface with NCIC 2000, the Integrated Automated Fingerprint Identification System (IAFIS), and Combined DNA Information System (CODIS).
- *Community Oriented Policing Services (COPS), Making Officer Re-Deployment Effective (MORE) Program.* COPS MORE grant funds can be used to purchase any technology that allows sworn law enforcement officers to spend less time doing non-field work (e.g., writing and filing reports).
- *Byrne Discretionary Grant Program.* This grant program makes funds available in block grants to State law enforcement.
- *Local Law Enforcement Block Grant Program.* This grant program makes funds available in block grants to local law enforcement.

- *National Criminal History Improvement Program.* This grant program can be used to improve State criminal history records.

Other grant funds are available for implementing a National Instant Check System (NICS) for firearm purchases, and for establishing or improving protection order and sex offender records. Each program has its own eligibility rules, regulations, and funding levels. For more detailed information, please call the Department of Justice Response Line at 1-800-421-6770 or access the Bureau of Justice Assistance world wide web site:

<http://www.ojp.usdoj.gov/BJA/>

STATE YOUR OPINION

This space is provided for authorized criminal justice agencies to provide commentary, questions, or suggestions. We will provide an answer to all questions. If you would like to comment or submit an article, please send it to:

*Federal Bureau of Investigation
Attn: Ms. Darlene Butler
Room 9504
NCIC 2000 Program Office
935 Pennsylvania Avenue, NW
Washington, DC 20535-0001*